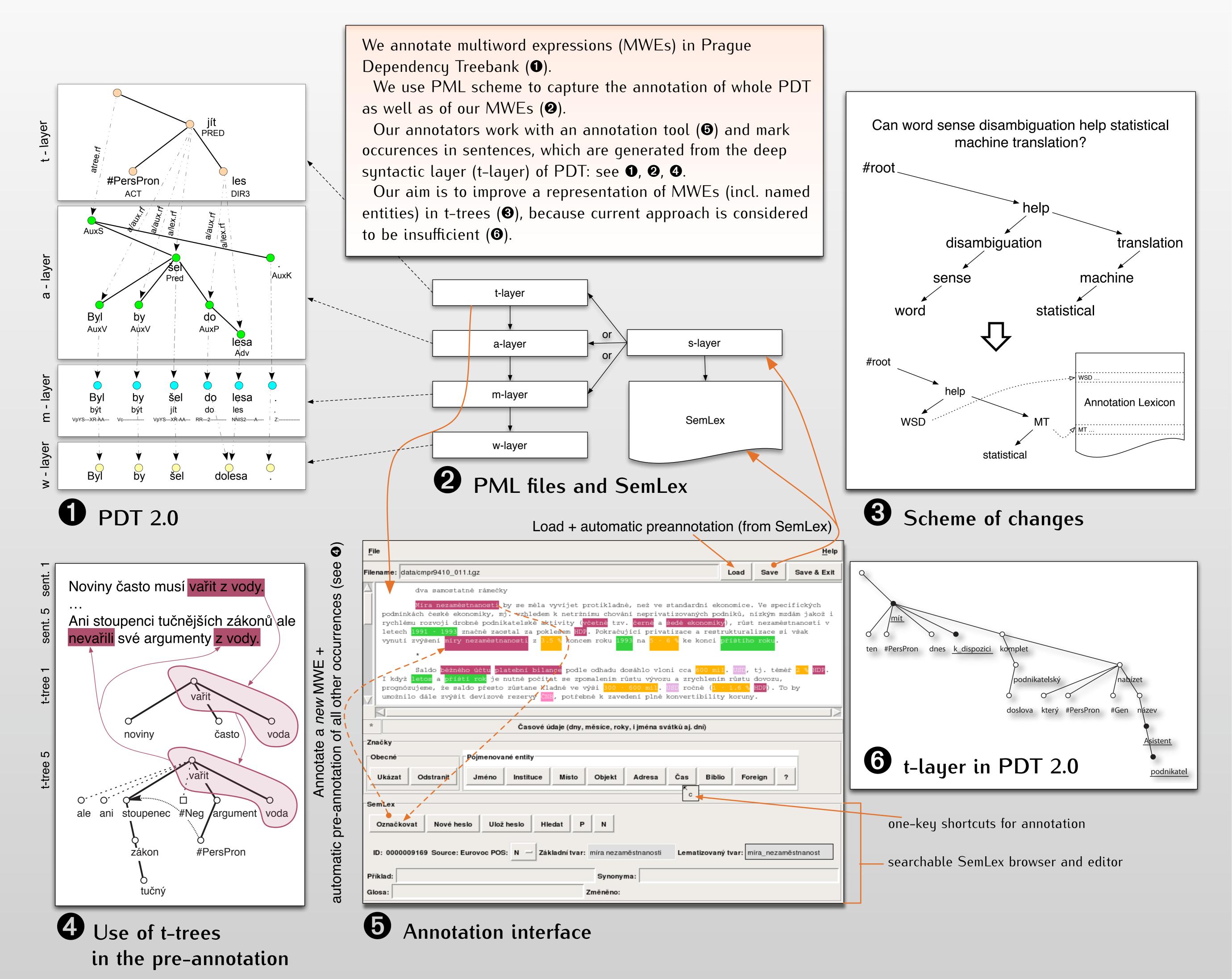


Annotation of Multiword Expressions in the Prague Dependency Treebank



Eduard Bejček and Pavel Straňák



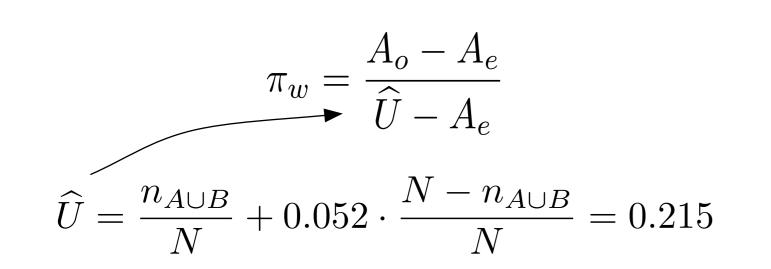
Inter-annotator Agreement

Each t-node may be: (i) annotated with a SemLex entry (ii) one of nine types of named entities or (iii) not annotated. This yields a scale between full agreement and none. Each type of agreement is assigned a weight according to approximate amount of information it provides (**0*).

Then we use the slightly modified pi measure (3) on these weighted values to compute inter-annotator agreement.

	Agreement				Disagreement
	Annotated			Not annot.	
	Agreement on NE / lexia				
	Full agr.	Disagr.			
class c	1	2	3	4	5
# of t-nodes n	10,527	$2,\!365$	389	83,287	3,988
weight w	1	0.5	0.25	0.052	0





- Agreement should gradually improve as: • we clean up the annotation lexicon
 - more entries are pre-annotated automatically

• The resulting $\pi_{w} = 0.676$ is statistically significant

and further types of pre-annotation are employed.

Annotated t-nodes

• We use tectogrammatical tree structures of MWEs for automatic pre-annotation.

• Weighted measure that accounts for partial agreement as well as estimation of maximal agreement

• The richer the tectogrammatical annotation the better the possibilities

for automatic pre-annotation, which minimises human errors

